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Approved for use through 10/31/2002. OMB 0651-0032

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number

PTZ12C1

Title	Nucleic Acids, Proteins, and Antibodies
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Express Mail Label

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Box Patent Application
 ADDRESS TO: Commissioner for Patents
 Washington, DC 20231

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27
3. ☒ Specification [Total Pages 525]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. Oath or Declaration [Total Pages 5]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet See 37 CFR 1.76 (7 pages)

- 7 ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (*Appendix*)
8 Nucleotide and/or Amino Acid Sequence Submission
(*if applicable, all necessary*)
- a ☒ Computer Readable Form (CRF)
- b Specification Sequence Listing on
- i. ☒ CD-ROM or CD-R (2 copies), or ii ☐ paper
- c ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

- | | | | |
|----|-------------------------------------|---|---|
| 9 | <input type="checkbox"/> | Assignment Papers (cover sheet & document(s)) | |
| 10 | <input type="checkbox"/> | 37 CFR 3 73(b) Statement
(when there is an assignee) | <input checked="" type="checkbox"/> Associate Power of Attorney |
| 11 | <input type="checkbox"/> | English Translation Document (if applicable) | |
| 12 | <input type="checkbox"/> | Information Disclosure
Statement (IDS)/PTO-1449 | <input type="checkbox"/> Copies of IDS
Citations |
| 13 | <input type="checkbox"/> | Preliminary Amendment | |
| 14 | <input checked="" type="checkbox"/> | Return Receipt Postcard (MPEP 503)
(Should be specifically itemized) | |
| 15 | <input type="checkbox"/> | Certified Copy of Priority Document(s)
(if foreign priority is claimed) | |
| 16 | <input type="checkbox"/> | Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i)
Applicant must attach form PTO/SB/35 or its equivalent | |
| 17 | <input checked="" type="checkbox"/> | Other | 1. Statement Under 37 C.F.R. § 1.821
2. Transmittal and Submission Under 37
C.F.R. §§ 1.824 and 1.52(e) |

- 18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No 09/764,846

Prior application information: Examiner Clow, L. Group / Art Unit. 1631

For CONTINUATION or DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

19. CORRESPONDENCE ADDRESS

X Customer Number or Bar Code Label

22195

or	Correspondence address below
----	---

Name

Address

City

Country

State

Telephone

Zip
Code

Fax

Name (Print/Type)

Mark J. Hyman

Registration No (Attorney/Agent)

46.789

Signature

Date _____

March 7, 2002

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**FEE TRANSMITTAL
for FY 2002**

Patent fees are subject to annual revision.

☐ Application claims small entity status See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 896.00**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Rosen et al.
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	PTZ12C1

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account

Deposit Account Number 08-3425

Deposit Account Name Human Genome Sciences, Inc.

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					740.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
24	-20** = 4	18.00	72.00
Independent Claims	4	-3** = 1	84.00
Multiple Dependent			

Large Entity		Small Entity		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

**or number previously paid, if greater, For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(h))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					0.00

SUBMITTED BY

Name (Print/Type) Mark J. Hyman

Registration No (Attorney/Agent)

46,789

Complete (if applicable)

Telephone (240) 314-1224

Signature

Date

March 7, 2002

[illegible]

Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PTZ12C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

**TRANSMITTAL AND SUBMISSION UNDER
37 C.F.R. §§ 1.824 AND 1.52(e)**

Commissioner for Patents
Washington, D.C. 20231

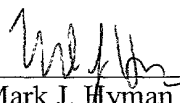
Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PTZ12C1_seqList.txt" (604,473 bytes in size, created March 6, 2002).

Respectfully submitted,

Dated: March 7, 2002


Mark J. Hyman
Attorney for Applicants

Reg. No. 46,789

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (240) 314-1224

Enclosures

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